

**3 YEAR**  
WARRANTY



OSXL-TIC101



OSXL-TIC102  
OSXL-TIC103  
OSXL-TIC104



# **Ω OMEGA®** **User's Guide**

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# **OSXL-TIC101, 102, 103, 104** **Thermal Imaging Cameras**

# QUICK-START GUIDE

## Omega Thermal Imaging Cameras

### OSXL-TIC101, 102, 103, 104

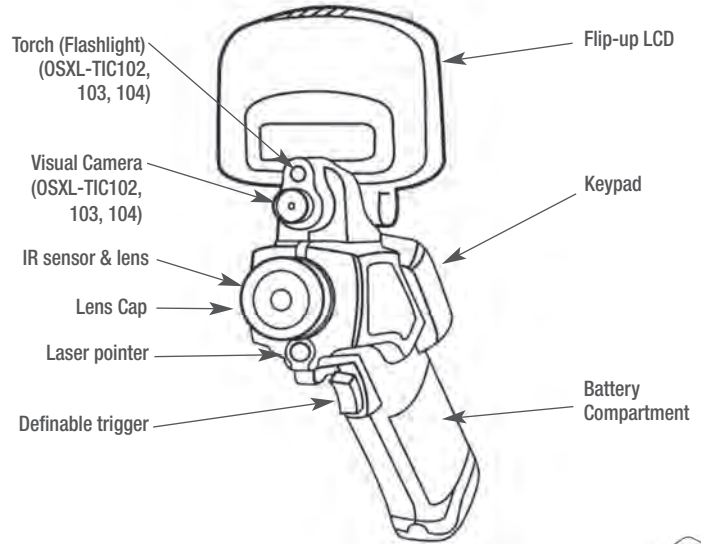
Become familiar with your camera's basic functions.

### CAMERA OVERVIEW



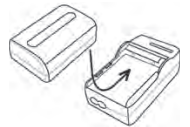
OSXL-TIC101

OSXL-TIC102  
OSXL-TIC103  
OSXL-TIC104



### 1. CHARGING THE BATTERY

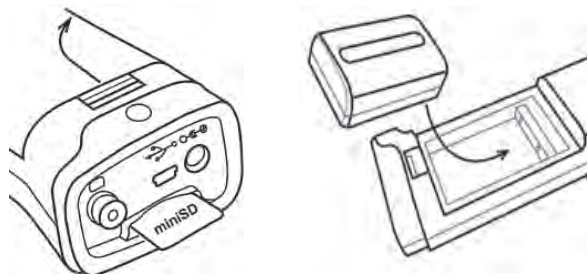
- Position the battery in the compact battery charger so the contacts nearly touch. Push the battery forward until it snaps into place.
- Plug one end of the power cord into the charger and the other end into a 110VAC outlet.
  - The light on the charger will glow red while the battery is charging. It will turn green when charging is complete.
  - After charging, unplug the battery charger and remove the charged battery.



### 2. INSTALLING A CHARGED BATTERY AND MINI SD CARD

#### To install a battery:

- Release the battery compartment latch by pushing it down and forward (see arrow in left figure below). Lift and remove the battery compartment cover.
- Align the battery's edge with the line inside the compartment. Push the battery forward until it click-locks (see arrow in right figure below). Replace the battery compartment cover and latch it.



### To insert the Mini SD card:

- Lift up the rubber flap at the bottom of the camera to expose the jacks and SD card slot.
- Position the Mini SD card with the printed side up (metal connector side down) in the slot at the bottom of the camera.
- Push the card in gently with your fingertip until you feel and hear a click.

### 3. POWER ON

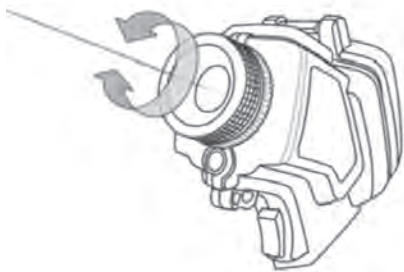
- Remove the lens cap by pulling it forward.
- Flip up the LCD to expose the keypad.



- Press and hold the **Power** button at the upper right of the keypad for 3 seconds. The System Information startup screen will appear and take 40 seconds to clear. On the OSXL-TIC101 and OSXL-TIC102, the LED at the upper left of the keypad will glow green. On the OSXL-TIC103 and OSXL-TIC104, the LED will toggle between green and blue, indicating that the camera is ready for a Bluetooth connection.

### 4. MANUAL FOCUS

Turn the focus ring until the image becomes sharp. Press the **Auto Adjust** button to automatically select the level and span (brightness and contrast).



### ⚠ WARNINGS ⚠

- DO NOT POINT** the camera directly at the sun, a laser, an arc welder, or a source of intense heat far hotter than the unit's measuring range. Doing so for more than a few seconds will permanently damage the camera's IR sensor **and void the camera's limited warranty**.
- DO NOT AIM** the laser pointer at a person or animal. Prolonged exposure may damage eyesight.

### 5. CONFIGURING THE TRIGGER TO.....

#### a. Save images

- By default, squeezing the trigger saves the current display as an image file.

#### b. Freeze/Activate an image

- Press the **MENU/ENTER** button to open the Main Menu.
- Press the **▲** or **▼** button to navigate to the **Trigger Setup** line. Then press the **MENU/ENTER** button to open the Trigger Setup Menu.
- Use the **◀** or **▶** button to highlight **Freeze/Live**. Then press the **MENU/ENTER** button to save the selection.
- In this configuration, squeezing the trigger freezes the current image.

#### c. Turn the torch light on and off

- Press the **MENU/ENTER** button to open the Main Menu.
- Press the **▲** or **▼** button to navigate to the **Trigger Setup** line. Then press the **MENU/ENTER** button to open the Trigger Setup Menu.
- Use the **◀** or **▶** button to highlight **Torch On**.
- Note: Pressing the **MENU/ENTER** button changes the selection from Torch On to Torch off (disabling the torch).
- With the torch light enabled, squeeze and hold the trigger then press the **Auto Adjust** button to turn on the torch and repeat to turn it off.

#### d. Turn the laser pointer on and off

- Squeezing and holding the trigger for 3 seconds turns the laser pointer on and off.

### 6. TOGGLING BETWEEN SAVE FILE AND FREEZE/LIVE

Pressing the **SAVE/FREEZE** button toggles the trigger's action between Save File and Freeze/Live.

### 7. OPENING A SAVED IMAGE

- Press the **MENU/ENTER** button to open the Main Menu.
- Press the **MENU/ENTER** button again to highlight **Open**.
- Press the **MENU/ENTER** button a third time to open a directory of saved image files.
- Use the **▲** or **▼** buttons to select a file. Then press the **MENU/ENTER** button to open it.



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## WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **37 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **three (3) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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